

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A physical quantity detecting device comprising a resistor formed on a thin-wall portion of a substrate and electrodes respectively connected through first lead conductors to ~~both~~ ends of said resistor and made to detect a physical quantity through the use of said resistor,

~~characterized by including~~ wherein second lead conductors electrically connected to ~~both~~ ends of said resistor and formed on said substrate to extend to an outer circumferential end of said substrate.

2. (Currently Amended) A physical quantity detecting device according to claim 1, ~~characterized in that~~ wherein at least one of said second lead conductors has, in the middle thereof, a disconnection portion for making electrical disconnection.

3. (Currently Amended) A physical quantity detecting device according to claim 1, ~~characterized by further comprising~~ wherein a second resistor is formed on said substrate and is made of the same material as that of said first-mentioned resistor, with temperature coefficients of resistance of said

first-mentioned resistor and said second resistor being different by at least more than $\pm 0.25\%$ from each other.

4. (Currently Amended) A physical quantity detecting device according to claim 3, ~~characterized in that~~ wherein the material for the formation of said first mentioned resistor and said second mentioned resistor is made with one of platinum and polysilicon doped with impurities, and said temperature coefficient of resistance of said first mentioned resistor is lower by more than 0.25% than that of said second mentioned resistor.

5. (Currently Amended) A physical quantity detecting device according to claim 3, ~~characterized in that~~ wherein the material for the formation of said first mentioned resistor and said second mentioned resistor is made with single-crystal silicon doped with impurities, and said temperature coefficient of resistance of said first mentioned resistor is higher by more than 0.25% than that of said second mentioned resistor.

6. (Currently Amended) A physical quantity detecting device according to claim 1, ~~characterized in that~~ wherein said substrate is a semiconductor substrate.

7. (Currently Amended) A method for manufacturing a plurality of physical quantity detecting devices each comprising a resistor formed on a thin-wall portion of a substrate and electrodes respectively connected through first lead conductors to both ends of said resistor so that a physical quantity is detected through the use of said resistor, comprising

~~characterized in that~~ currently forming said plurality of resistors ~~are~~
~~concurrently formed~~ on said substrate; and after both ends of each of said
plurality of resistors are successively electrically connected through a second
lead conductor simultaneously energized, the plurality of resistors are
simultaneously energized to be heated[[,]]; and dividing said substrate is
~~divided in~~ into units of single resistors.

8. (Currently Amended) A method for manufacturing a physical quantity
detecting device according to claim 7, ~~characterized in that~~ further comprising,
after the energization heating, electrically disconnecting said second lead
conductor for making connection among said resistors ~~is disconnected~~
~~electrically~~.

9. (Currently Amended) A motor vehicle control system comprising a
physical quantity detecting device and a control unit for controlling a motor
vehicle on the basis of a condition of said motor vehicle detected by said
physical quantity detecting device, with said physical quantity detecting
device being composed of a resistor formed on a thin-wall portion of a
substrate and electrodes respectively connected through first lead conductors
to both ends of said resistor so that a physical quantity is detected through the
use of the resistor,

~~characterized by including~~ wherein a second lead conductor is electrically
connected to both ends of said resistor of said physical quantity detecting
device and ~~made~~ configured to extend to an outer circumferential end of said
substrate.